

WAJSZCZUK, S.

35

POLAND

KULENZA, Aleksandra; Department of Epidemiology (Zaklad Epidemiologii), PZH (Panstwowy Zaklad Higieny -- State Institute of Hygiene). Director: Prof Dr J. KOSTRZEWSKI, Head of the Institute: Prof Dr F. PRZEMYSKI; with the collaboration of J. GOLEA, T. JOPKIEWICZ, M. KAOPRZAK, W. KOCIELSKA, M. KOPEC, K. LIPINSKA, R. LUTINSKI, J. MAKAREWICZ, H. MALYSZKO, K. NEGRAN, A. OLES, S. PESKA, K. TOPIELEWICZ, T. RODKIEWICZ, J. ROZWADOWNA, W. SOCZEWICA, S. SZCZESNIAK, D. ZOLNIEWICZ, all of the Wojewodztwo Health and Epidemiological Stations (Wojewodzkie Stacje Sanitarno-Epidemiologiczne); H. DOBROWICKI, A. OEGOW, J. GELBER, M. GRUSCZYNsKA, H. JASIRZEBICKI, E. JUZNA, J. KUROCZKIN, Z. RESZKE, R. STANCZYK, J. SZCZEWICZOWA, Z. SZCZERBKA, K. SZCZYGIELSKI, S. SZYNDLAR, Z. SWICOWA, J. WAJSZCZUK, R. WARZECNA all of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitis) of the Wojewodztwo Health and Epidemiological Stations; J. ADAMSKI (Poznan), H. DOBROWOLSKA (Warsaw), J. BOCHENsKA (Lodz), M. KOENIG (Krakow); H. DOBROWOLSKA of the Department of Virology (Zaklad Wirusologii) of PZH.

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~~POLAND~~

Director: Prof Dr F. PRZESMYCKI, technical aid: A. BACINSKA

"Epidemic Situation of Poliomyelitis in Poland in 1961"

Warsaw, Przeglad Epidemiologiczny, Vol XVI, No 4, 1962,
pp369-375.

Abstract: /Authors' English summary modified/ The profound influence on the epidemiology, etiology and clinical picture of poliomyelitis of the introduction of mass immunization with attenuated polio vaccines in 1959 is discussed. Observations on the influence and effect of immunizations with such vaccines on the epidemic situation of poliomyelitis in Poland are reported. 4 tables, 2 diagrams; 5 Polish references.

12/2

WAJSZCZUK, W.

ASKANAS, Zdzislaw; GARBUR, Mieczyslaw; LUKASIK, Elzbieta; STOPCZYK, Mariusz;
WAJSZCZUK, Waldemar

Comparison of stereocardiogram with spatial vectogram. Polski tygod.
lek. 12 no.35:1341-1344 26 Aug 57.

1. Z IV Kliniki Chrob Wewnetrznych A. M. w Warszawie; kierownik Kliniki:
prof. Z. Askanas.

(VECTOCARDIOGRAPHY,

comparison of stereocardiogram with spatial vectogram (Pol))

WAJSZCZUK, Waldemar

ASKANAS, Zdzisław, GARRER, Mieczysław, LUKASIK, Małgorzata, WAJSZCZUK, Waldemar,
STOPCZYK, Mariusz

Stereocardiographic changes following commissurotomy. Polski tygod.
lek. 13 no. 15:542-546 14 Apr 58

l. (z IV Kliniki Chorob Wewnętrznych A.M. w Warszawie; kierownik:
prof. dr med. Zdzisław Askanas). Adres: ul. Oczki 6, IV Klin. Chor. Wewn.
A.M.

(COMMISSUROTOMY,
postop. spatial vectorcardiography (Pol))

(VECTORCARDIOGRAPHY,
spatial, after commissurctomy (Pol))

STOPCZYK, Mariusz; KORCZAK, Leonard; WAJSTCZUK, Waldemar

Possibility of the application of high tension in spatial vectocardiography. Postepy hig. med. dosw. 13 no.3:329-333 1959
(VECTOCARDIOGRAPHY)

ASKANAS, Z.; STOPCZYK, M.; LUKASIK, E.; WAJSZCZUK, W.

On the problem of diagnostic discrepancies of electrocardiograms
and vectorcardiograms. Kardiol. polska 4 nc.4:261-272 '61.

1. z IV Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik:
prof. dr Z. Askanas.
(ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)

WATORSKI, Kazimierz; WAJSZCZUK, Waldemar

Coronary disease among physical workers in the M. Kasprzak Radio Factory in Warsaw. Postepy hig. med. dsaw. 15 no.6:753-758 '61.

1. z IV Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik:
prof. dr Z. Askanas.
(CORONARY DISEASE statist) (OCCUPATIONAL DISEASES statist)

ASKANAS, Z.; LUKASIK, E.; STASZEWSKA, J.; STOPCZYK, M.; WAJSZCZUK, W.; przy
wspoludziale matematycznym SURY, J.

Vectorcardiographic analysis of the initial segment of the ventricular
complex. Kardiol. Pol. 5 no.2:77-86 '62.

1. Z IV Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof.
dr Z. Askanas.

(VECTORCARDIOGRAPHY)

WAJSZEL D.

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6-8 14:02:3 193

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5772
Mrowec S., Wajszel D., Werber T. Corrosion of Iron and Steel at High Temperatures.

"Korozja żelaza i stali przy wysokich temperaturach". Hutań. No. 1-2, 1958, pp. 28-43, 10 figs., 1 tab.

A discussion of the mechanism of the formation of scale on iron and steel. Scale develops in more than one layer. At temperatures of less than 580°C, there are two layers one of magnetite the other of hematite. Above this temperature there are three layers since the "Wüstite" or FeO layer forms in between the unattacked metal and the rest of the scale. The rate at which scale develops is determined by the rate of diffusion of iron ions through the scale. The acceleration of scale above 580°C is due to the formation in the scale of the "wüstite" phase, in which the concentration of empty nodes in the cation grid may amount to 10 per cent at. In accordance with the Wagner-Hauffe theory, such a high concentration of grid defects cannot be reduced to any significant degree by the introduction into the alloy of admixtures forming a solid solution with iron oxides. The resistance of steel to corrosion at high temperatures is directly associated with the temperature at which the "wüstite" phase appears in the scale. The fundamental problem in obtaining good heat resisting steel is the prevention of the formation of the "wüstite" phase in the conditions in which the steel will be used. This can be achieved by using such additions in the alloy as will inhibit the diffusion of iron ions by forming spinel layers or obstructing oxide layers.

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WAJSZEL, D.
MROWEC, S.
WERBER, T.

Oxidation of metallic alloys at high temperatures. p. 709

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne)
Wroclaw. Vol. 12, no. 11, Nov. 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

P.T.A WAKALSKI, M.

629.113 : 6219

627 Wakalski, M. Workshop Bays for Machining of Motor Vehicle Parts.
"Gniazda obróbki części samochodowych" Przegląd Mechaniki-
ny No. 9, 1950, pp. 299-307, 17 figs., 1 tab.

The article deals with differences in planning and production process as affected by the arrangement of machine tools in groups and in individual machining bays. After dealing with the arrangement of bays for the machining of motor vehicle parts, the author discusses the preparation of parts for the machining in bays and gives examples for the arrangement of machine tools. Details are also given of observations made in practice, together with the method of rearrangement of a group system into a system of bays, due allowances being made for the conveying equipment. The author discusses working conditions for the staff, and the problem and method of quality control, and goes on to deal with the effect of specialization on the capacity of bays, and to advance recommendations as to general planning methods and preparation of the production process.

PTA WAKALSKI, M.

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621.9.014.5

Wakalski M. Economic Cutting Speed for High-Speed Machining.
"Ekonomiczna szybkość skrawania w obróbce szybkościowej".
Przegląd Mechaniczny, No. 3, 1951, pp. 71-76, No. 4, 1951, pp. 106-
111, 5 figs., 1 tab.

Success and further progress in the application of high-speed cutting depends on taking account of the economics of cutting, together with the economic results of the introduction of this method. Factors to be kept in view when applying high-speed machining. The economic duration of the cutting edge between regrindings is a result of technical organization and economical conditions in industrial plants. Economical machining speed is a necessary condition for minimal manufacturing costs. Economic savings from using tools of sintered carbides can be obtained only when cutting speeds are fixed with a view to the optimal period during which the cutting edge can be kept sharp. Further analysis is necessary to enable the degree of economy of high-speed machining to be judged.

314

Watayashi M. Machining Bays in Large Quantities (Machining obrobek w produkcji wielkowolumetrycznej). Preprint. Mechatronika, No. 1, 1944, pp. 12-12, 5 figs.

In large quantity production, bays are concerned with the machining of various parts technologically similar one to the other. The author deals with the importance, as regards technological simplicity of such parts, of making an analysis on the basis of which any given construction can be technologically classified. Attention is drawn to the fact that mutual synchronization of operations and the discovery of a production rhythm are essential preconditions in organizing operations. Recommendations are given as to the selection of machine tools for individual bays, planning and production accounting in bays, as well as to organizing quality control. The author stresses the importance of mechanized transport as between the operations in the bays.

621.7/621.9/C32

POL

WAKSMAN, C.

"Ways of Realizing Recommendations of the 9th Plenum of the Central Committee of the Polish United Workers Party in the Garment Industry."
p. 21, (ODZIEZ, Vol. 5, No. 2, Feb. 1954. Lodz, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

WAKSMAN, C., IEPLA, K.

Trends in the development of technology and organization of products
of the clothing industry. p. 225

Odziez

Lodz

Vol. 6, no. 6, Nov. 1955

Source: East European Accessions List (EAL), LC. Vol. 5, no. 3, March 1956

W/KAZM, J.

"Organization of Water Management", P. 3/5, (ZESPOŁOWA WODA), Vol. 4,
No. 9, Sept. 1954, Warsaw, Poland)

SO: Monthly List of East European Acquisitions, (EEL), IC, Vol. 4, No. 5,
May 1955, Uncl.

WAKSMAN, J.

The project of branch instruction on the principles of elaboration of designs and estimates for the building of dams. p. 395.

GOSPODARKA WODNA. (Naczelna Organizacja Techniczna) Warszawa.
Vol. 14, no. 10, Oct. 1954.

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 5, no. 7, July 1956.

WAKSMAN, J.

Hydroelectric-power plants in Gospodarka Wodna, 1935-1954. p.12.
GOSPODARKA WODNA (Naczelnia Organizacja Techniczna) Warszawa
"Vol. 16, no. 1, Jan. 1956

So. East European Accessions List

Vol. 5, No. 9

September 1956

WAKSMUNDZKA ANTONIA

Synthesis of 2,4-dihydropyrimidin-4-ones and its derivatives

1800 WT

Connection between dielectric potential and dissociation constants of certain organic bases. A. WAKAMATSU (Boc. Chem., 1936, 10, 866-880).—The dissociation const. of some inactive bases (o- and *p*-toluidine, NPhMe_2 , cyclohexylamine) is given by $K = 10^{-14.7} \rho$, where ρ is the ρ_m at which inflexion of the dielectric potential- ρ_m curves is observed, at room temp. R. T.

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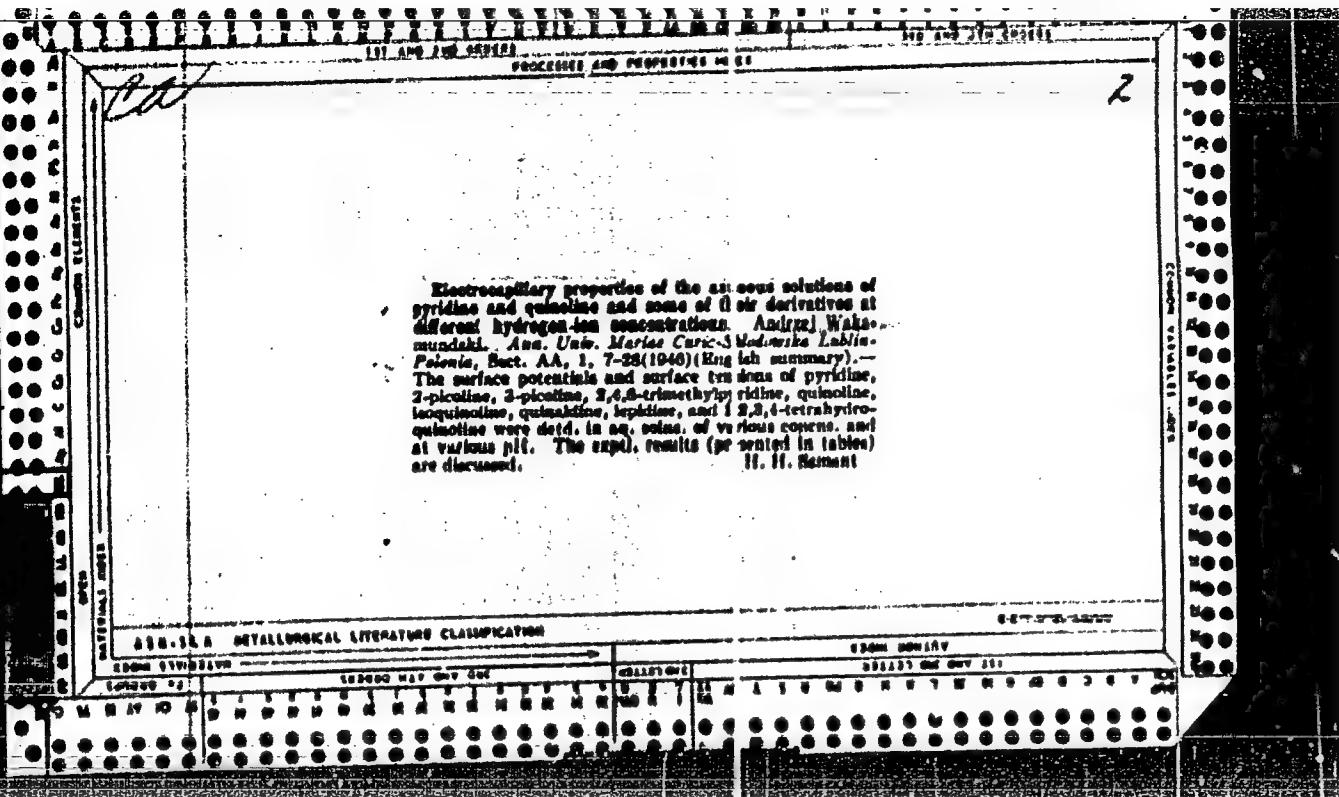
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AM-SEA METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"



Effect of the size and orientation of molecules on surface phenomena. Andrzej Walczak J. *Ang. Uni. Maria Curie-Skłodowska Lublin-Piaseczno, Sect. AA, 1, 20-47 (1966)* (English summary).—The surface potentials and surface tensions of piperidine, acr. line, and phenanthroline soins, of various concns. and a: various pH were detd. The effect of chem. structures on surface phenomena is discussed.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"

The relation between surface tension and surface potential. Andrzej Walewski and Antoni Uśniewski. *Acta Univ. Mariae Curie-Skłodowska Lublin-Polenia, Sect. AA*, 1, 49-61 (1940).—In all compounds studied (cf., preceding abstracts) except 1,2,3,4-tetrahydroquinoline, there was observed an inverse relation between the surface potential and surface tension. The plot of surface potential against percentage change of surface tension gives, at first, a linear relation. With increasing values of percentage change of surface tension, however, the surface potential increases at a slower rate. The bending of the curve is attributed to electrostatic repulsions of dipoles with an increasing concentration of adsorbed molecules at the surface. H. H. Sennett

APPENDIX A METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"

Measuring the surface tension by stalagmometry. Andrzej Wakhenschild. *Ann. Univ. Mariae Curie Skłodowska Lublin-Płockie*, Sect. AA, 2, 129-81 (1947) (English summary).—The surface tensions of 0.01 M quinaline and 0.004 M chlordaniline were measured by a ring-detachment method. The result was 18% different from previous stalagmometric and dielectric-potential measurements. Thus it was proved that the tensiometric methods cannot be applied to soaps of high mol. wt., particularly to colloids, unless some specific conditions are strictly observed. Results of surface-tension measurements at various H⁺-ion concns. are presented in graphs. Statistical and adsorption of mols. of quinaline-HCl and then of the free base, being liberated by gradual addition of KOH to the soaps.

ASA-ELA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"

CA

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Further study of aqueous solutions of pyridine and of some of its methyl derivatives. Andrzej Waluszewski. Ann. Univ. Mariae Curie-Skłodowska, Lublin-Polonia. Vol. AA, 3, No. 1, 63-68 (1964) (English summary).—Investigated were pyridine, 2-picoline, 3-picoline, 2,6-lutidine, 2-collidine, and pipridine in concns. of 0.001-0.1 mol/l. at 25°. The curves obtained for $\Delta\epsilon$ (change in the dielec. potential ($\Delta\epsilon$) with concn. (ϵ)) are expressed well by the Langmuir equation. Although the dipole moments of these substances vary, they all had very similar limiting values of their potentials. By examining the electrocapillary activity of these compounds by the Langmuir's equation it could be seen that the electrocapillary activity was determined by the increase in negative groups in a mol. and by change in its asymmetry. The size of the mol. and the asymmetry affected the surface tension in a similar manner. Further were cited, the no. of adsorbed molcs. per sq. cm. (Γ) at a given concn., and the same for a solid. surface. From these were cited, the area occupied by a gram-mol. of adsorbed substance and by a single mol. In solid. films this area depended not only on the kind of polar group but on the val. and shape of the hydrophilic group as well. Next was computed the vertical component of the elec. moment for oriented molcs. in the surface film. The ratio $\Delta\epsilon/\Gamma$ was not const. For 2-picoline and 2,6-lutidine this ratio increased with concn., whereas for 2-picoline and pyridine it first decreased and then increased. M. Hosszú

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1931

Chromatographic adsorption. Andrzej Wukwundak
(Curie-Sklodowska Univ., Lublin, Poland). Wiedomosci
Chim. 3, 100-103 (1919). —A review with 31 references.
Adam Borsydzak

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Properties of adsorbed layers of quinoline and some methyl derivatives of quinoline at the surface of their aqueous solutions. Andrzej Waksmundzki (Univ. Maria Curie-Skłodowska, Lublin, Poland). *Ind. Eng. Chem. Res.* 20, 84-87 (1981). - Surface tension and surface potential variations in aq. solns. of quinoline and of some of its derivatives were measured. The limiting value of surface potential of quinoline complex is not common to all, as it is in case of complex of aliphatic homologous series. This fact probably has a connection with different values of the vertical component of the elec. moment of oriented molecule. Curves of solns. were investigated from dil. to solid state. Lowering of surface tension is a function of concn. and reaches its max. in satd. soln. Sylwia Nowakowska

WAKSMUNDZKI, A.

Analytical Abst.
Vol. 1 No. 4
Apr. 1954
Inorganic Analysis

Chem. Abst.
Vol. 48, No. 9
May 10, 1954

③ Chem

✓ 317. Phenylhydroxy-acids as reagents in inorganic analysis. L. MANDELIC ACID as reagent for lead ions. A. Walsamerdzki and B. Szucki (Ann. Univ. M. Curie-Sklodowska, A.A., 1951, 6, 63-72).—Results of conductometric and gravimetric determinations of Pb^{2+} in 50% cent. ethanol soln. show that mandelic acid can be used for quant. estimation of Pb^{2+} . The formula of the ppt. obtained by adding mandelic acid to $Pb(NO_3)_2$ has been established as $Pb(OOC-CH(OH)-C_6H_4)_2Pb(NO_3)_2$. From Pb acetate soln. mandelic acid precipitates $Pb(OOC-CH(OH)-C_6H_4)_2Pb(OOC-CH_3)_2$.
S. K. LACHOWICK

WAKSMUNDZKI, A.

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2 Paper chromatography of nitrotoluidines. A. Waksztaj Waksztaj
mundzki and Jaroslaw Oglek. Chem. Anal. (Warsaw) 1,
113-17 (1959) (English summary).—Sepn. of isomeric nitro-
toluidines (I) by paper chromatography is described.
Whatman No. 3, paper wetted with H_2O and air-dried
at room temp. was used. A 0.5% C_6H_6 soln. of I were
put on the strip 3.5 cm. from one edge. Hexane satd.
with H_2O was used as mobile phase. The chromato-
gram was run to 18 cm. (about 1.5 hr.). Red spots were
found without developer. The term of conc. of moisture
(W), defined as the wet/dry wt. ratio of paper was intro-
duced. The best sepn. was obtained when W = 1.45-
1.51. R_f values were: 0.95-0.90, 0.78-0.61 for 4-nitro- m -
toluidine, 3-nitro- α -toluidine, 3-nitro- β -toluidine, α -nitro-
aniline; 0.69, 0.60 for 6-nitro- α -toluidine and 2-nitro- β -
toluidine (II); 0.46, 0.25 for 4-nitro- α -toluidine (III) and m -
nitroaniline; 0.22, 0.16, 0.05, and 0.05 γ for 5-nitro- m -
toluidine, 6-nitro- α -toluidine, 2-nitro- m -toluidine and
nitroaniline. Good results were obtained in sepn. III
(R_f 0.46) and II on paper wetted with 6% tig. $HCOOH$;
the R_f were 0.27 for III and 0.10 for II. The effect of sub-
stitution position in the benzene ring on R_f of amines is
discussed.
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WAKSMUNDZKI, A. ; OSCIK, J.

Paper chromatography of nitrotoluidines. p. 113.

CHIMIA ANALITYCZNA. Warszawa, Poland. No. 8, August 1959.

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WAKSMUNDZKI, Andrzej; SOCZEWINSKI, Edward

Parameters influencing R_f values of organic amphoteric substances
buffered paper chromatography. Rocznik chemii 33 no.6:1423-1430 '59.
(EEAI 9:9)

1. Zaklad Chemii Fizycznej Uniwersytetu Marii Skłodowskiej-Curie,
Lublin i Zaklad Chemii Nierorganicznej Akademii Medycznej, Lublin.
(Organic compounds) (Chromatography)
(Amphoteric substances)

WAKSMUNDZKI, Andrzej; SZCZYPA, Jerzy

The magnitude of the potential of fluorite powder electrodes
in the presence of flotation reagents. Przem chem 39 no.6:
330-332 Ja '60.

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,
Polska Akademia Nauk, Lublin

WAKSMUNDZKI, Andrzej; BARCICKA, Anna;

Influence of adding of non-polar liquid upon the collecting capacity of cation collectors in the process of quarz flotation.
Przem chem 39 no.12:773-776 D '60.

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Polska Akademia Nauk, Warszawa

WAKSMUNDZKI, Andrzej; PRZYBOROWSKA, Maria

Chromatographic determination of the content of quinoline bases in
stripping oil. Ann. Univ., Lublin sect.D 16:183-187 '61.

1. Z Katedry i Zakladu Chemii Nieorganicznej Wydzialu Farmaceutycznego
Akademii Medycznej w Lublinie Kierownik: prof. dr Andrzej Waksmandzki.
(QUINOLINES) (OIL)

WAKSMUNDZKI, A.

SURNAME (In caps); Given Name(s)

Country: Poland

Academic Degrees: Not stated

Affiliation: Department of Physical Chemistry, Lublin University
(Zakład Chemii Fizycznej, Uniwersytet, Lublin)

Source: Warsaw, Bulletin de l'Académie Polonaise des
Sciences, Série des Sciences Chimiques, Vol 9,
No 3, Mar 61, pp 155-158.

Data: "A Paper Chromatography Method for Determination
of Suitable Solvent Systems for Countercurrent
Distribution. A. Theoretical Considerations."

Co-author:

SOCZEWINSKI, E., Academic degrees not stated, Department
of Inorganic Chemistry, Academy of Medicine (Zakład
Chemii Nieorganicznej, Akademia Medyczna), Lublin.

SOCZEWINSKI, E.; WAKSMUNDZKI, A.

On the relation between the R_f coefficient and hydrogen ion concentration in buffered paper chromatography. Bul chim PAN 9 no.6:445-449 '61.

1. Department of Inorganic Chemistry, Medical Academy, Lublin and Department of Physical Chemistry, University, Lublin. Presented by B. Kamienski.

WAKSMUNDZKI, A.; RATAJEWICZ, Z.

The use of the dynamic condenser method for measurement of electric potentials on solid insulator - water solution interfaces. Bul chim PAN 9 no.6:451-453 '61.

1. Laboratory of Physical Chemistry of Surface Phenomena, Lublin and Institute of Physical Chemistry, Polish Academy of Sciences. Presented by B. Kamienski.

L 05309-67 EWP(j) RM
ACC NR: AF7000216 (N)

SOURCE CODE: T070099/66/040/002/0265/0270

WAKSMUNDZKI, A. and GROSS, J., of the Department of Physical Chemistry, M. Curie-Sklodowska University (Katedra Chemii Fizycznej Uniwersytetu M. Curie-Sklodowskiej) Lublin.

" R_f and R_m Coefficients of Some Naphthols in Systems of the Type: Nonpolar Solvent-Dimethylsulphoxide - Glycerol"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 265 - 270

Abstract (Authors' English abstract): The relationship between R_f and R_m coefficients of some naphthols and the composition of the polar or non-polar phase were determined. In most cases the R_m coefficients were found to be additive in respect to the composition of the mixed phase. Orig. art. has: 5 figures.
[JPRS: 36,002]

TOPIC TAGS: organic solvent, glycerol, DMSO

SUB CODE: 07 / SUBM DATE: 13 Apr 65 / ORIG REF: 004 / OTH REF: 008

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WAKSMUNDZKI, Andrzej; BARCICKI, Janusz

Determination of the optimal solvent system for Craig's method from
paper chromatographic data. I. Rocznik chemii 35 no.5:1363-1372 '61.

1. Department of Physical Chemistry, M. Curie-Sklodowska University,
Lublin and Department of Inorganic Chemistry, Medical Academy, Lublin.

WAŁESMUNDZKI, Andrzej; BARCICKI, Janusz

Physico-chemical processes in the system: mixed collector(oleic acid kerosene) — alkaline aqueous solution. Rocznik chemii 35 no.5:1373-1380 '61.

1. Laboratory of the Department of Physico-chemical Surface Phenomena, Institute of Physical Chemistry, Polish Academy of Sciences, Lublin.

WAKSMUNDZKI, Andrzej; RATAJEWICA, Zbigniew

Measurements of electrical surface potentials using the dynamic
condenser method. Rocznik chemii 35 no.6:1717-1726 '61

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,
Instytut Chemii Fizycznej, Polska Akademia Nauk, Lublin.

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; MATUSEWICZ, Janusz; NASUTI, Romuald;
ROZYLO, Jan

Structure of silica gels, specifically adsorbing pyridine,
quinoline and acridine. Pt. 1. Przem chem 40 no.7:387-390
Jl '61.

1. Katedra Chemii Fizycznej, Uniwersytet im. M. Curie-
Skłodowskiej, Lublin.

NASUTO, Romuald; WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; ROZYLO, Jan

The heat of wetting specifically active silica gels with some organic solvents. Przem chem 40 no.8:432-433 Ag '61.

1. Katedra Chemii Fizycznej Uniwersytetu im. M. Curie-Skłodowskiej Lublin.

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; NASUTA, Romuald; ROZYLE, Jan

The structure of pyridine adsorption layers on silicagels specifically activated with respect to some heterocyclic bases. Przem chem 40 no.9: 527-529 S '61.

1. Katedra Chemii Fizycznej, Uniwersytet im. Curie-Sklodowskiej, Lublin.

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; ROZYLO, Jan; NASUTO, Romuald

Energetic effects of pyridine adsorption on silicas specifically activated with respect to some heterocyclic bases. *Przem chem* 40 no.10: 565-567 0 '61.

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BARCICKI, Janusz; WAKSMUNDZKI, Andrzej; MARUSZAK, Edward

A new method of measuring directly the adhesive force between a mineral particle and an air bubble during elementary flotation processes. *Chemia stosow* 6 no.1:99-106 '62.

1. Instytut Chemii Fizycznej, Polska Akademia Nauk, Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych, Lublin, i Zespolowa Katedra Chemii Fizycznej i Technologii Chemicznej, Uniwersytet im. Marii Curie-Sklodowskiej, Lublin.

WAKSMUNDZKI, Andrzej; SOCZEWINSKI, Edward; PRZYBOROWSKA, Maria

The factor Rf of organic electrolytes in linear and circular chromatography by means of the buffered filter paper method.
Chem anal 7 no.5:989-993 '62.

1. Department of Inorganic Chemistry, Academy of Medicine, Lublin.

WAKSMUNDZKI, Andrzej; SUPRYNOWICZ, Zdzislaw; PIETRUSINSKA, Teresa

The effect of stationary phase composition on the separation of
some saturated hydrocarbons by gas-liquid partition chromatography.
Chem anal 7 no.6:1043-1050 '62.

1. Department of Physical Chemistry, M.Curie-Sklodowska University,
Lublin.

WAKSMUNDZKI, Andrzej; SUPRYNOWICZ, Zdzislaw; MANKO, Regina

Zircon concentrates as a supporting material in gas-liquid partition chromatography. Chem anal 7 no.6:1051-1058 '62.

1. Department of Physical Chemistry, M. Curie-Sklodowska University,
Lublin.

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A rapid method for the chromatographic analysis of mixtures of
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1. Z Katedry Chemii Nieroganicznej Wydziału Farmaceutycznego Akademii
Medycznej w Lublinie Kierownik: prof. dr A. Waksundzki.
(ALKALOIDS chem) (STRYCHNINE chem)

WAKSMUNDZKI, Andrzej; KACZÓK, Maria

Partition by means of paper chromatography of adrenalin racemate
into optically-active isomers. Acta pol. pharm. 19 no.2:142-147
'62.

1. Z Zakladu Chemii Nieorganicznej Wydziału Farmaceutycznego
Akademii Medycznej w Lublinie Kierownik Zakładu: prof. dr.
A. Waksmundzki.
(CHROMATOGRAPHY) (EPINEPHRINE chem)

JUSIAK, Leon; SOCZEWINSKI, Edward; WAKSMUNDZKI, Andrzej

Partition of chelidone and protopine by means of countercurrent
cascade extraction. Acta pol. pharma. 19 no.3:193-198 '62.

1. Z Zakladu Chemii Nieorganicznej Akademii Medycznej w Lublinie
Kierownik: prof. dr. A. Waksundzki.
(CHELIDONIUM chem) (ALKALOIDS chem)
(CHROMATOGRAPHY)

WAKSMUNDZKI, A.; SOCZEWSKI, E.; SUPRYNOWICZ, Z.

On the relation between the composition of the mixed stationary
phase and the retention time in gas-liquid partition-chromatography.
Coll Gz Chem 27 no.8:2001-2006 Ag '62.

1. Department of Physical Chemistry, University Lublin, Poland.

S/081/63/000/001/028/061
B144/B186

AUTHORS: Waksmundzki, Andrzej, Ratajewicz, Zbigniew

TITLE: Measurements of electrical surface potentials using dynamic capacitors

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 99, abstract 1B690 (Roczn. chem., v. 35, no. 6, 1961, 1717-1726 [Pol.; summaries in Russ. and Eng.])

TEXT: The surface potentials (SP) of water and aqueous solutions of KCl (0.01-0.1 N) were measured with a dynamic capacitor in the presence of pyridine, picoline and quinoline. The data obtained are not consistent with the SP determined previously by one of the authors by the flow method. This inconsistency is explained by a suggestion that volatile surfactants are adsorbed on the surface of the metal plates of the capacitor. This hypothesis offers an explanation for the change of the SP sign with low-surfactant concentrations, and is confirmed by measurements of the time-dependence of surface potentials. [Abstracter's note: Complete translation.]

Card 1/1

WAKSMUNDZKI, Andrzej; OSCIK, Jaroslaw; ROZYLO, Jan; WISUTO, Romuald

Influence of the drying conditions of hydrogels on the change of the adsorption capacity of specific silicagels. *Przem chem* 41 no.3:129-130 Mr '62.

1. Katedra Chemii Fizycznej Uniwersytetu im. Marii Curie Skłodowskiej

WAKSMUNDZKI, Andrzej; BARCICKA, Anna; DOBROWOLSKI, Juliusz; NOWAK, Maciej

Studies on flotation deactivation of quartz activated with iron
ions. Przem chem 41 no.5:265-268. Wy '62.

1. Katedra Chemii Fizycznej, Uniwersytet im. M. Curie-Sklodowskiej,
Lublin 1
Instytut Badan Jadrowych, Warszawa.

WAKSMUNDZKI, Andrzej; SOCZEWINSKI, Edward; RATAJEWICZ, Danuta

Chromatographic separation of some acridine derivatives. Chem
anal 8 no.1:103-106 '63.

1. Department of Inorganic Chemistry, Faculty of Pharmacy,
Academy of Medicine, Lublin.

WAKSMUNDZKI, Andrzej; ROZYLO, Jan; OSCIK, Jaroslaw

Thin-layer chromatography of nitroanilines. Chem anal 3 no.6:
965-970 '63.

1. Department of Physical Chemistry, M.Curie-Sklodowska University,
Lublin.

WAKSMUNDZKI, Andrzej; WAWRZYNOWICZ, Teresa; WOLESKI, Tadeusz

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and final products of mercaptopurine synthesis. Acta pol.
pharm. 20 no. 3:259-264 '63.

1. Z Katedry Chemii Nieorganicznej Wydziału Farmaceutycznego
Akademii Medycznej w Lublinie Kierownik: prof. dr A. Waksmandzki.
(MERCAPTOPURINE) (CHROMATOGRAPHY)

WAKSMUNDZKI, Andrzej, prof. dr; PRZESZLAKOWSKI, Stanislaw, mgr

Application of 2-thio-4-amino-5-nitroso-6-hydroxypyrimidine to
the colorimetric determination of some metals. Pt.1. Chem anal
9 no.1:69-76 '64.

1. Department of Inorganic Chemistry, Medical Academy, Lublin.

POLAND

WAKSMUNDZKI, Andrzej, prof. dr; RATAJEWICZ, Danuta, dr.

Dept. of Inorganic Chemistry, Pharmaceutical Section,
Lublin Medical Academy (Katedra Chemii Nieorganicznej
Wydziału Farmaceutycznego Akademii Medycznej, Lublin)
(for both)

Warsaw, Chemia analityczna, No 6, Nov-Dec 1965, pp 1129-31

"Influence of the organic phase type on the course of
the dependence $R_p = f(\text{pH})$ of some acridine derivatives."

POLAND

WAKSMUNDZKI, Andrzej; MOZYLO Jan.

Department of Physical Chemistry, M. Curie-Sklodowski
University of Lublin (Katedra Chemicznej Fizycznej Uni-
wersytetu M. Curie-Sklodowskiej w Lublin)-(for both)

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clature."

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629.123.4-84

3703

Wakula W. M. S. "Gdańsk" — 4000 DWT General Cargo Vessel.
"Drobnicowiec motorowy 4000 t dw m/s Gdańsk". Technika i Gospo- MN

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Detailed technical description of the general cargo vessel M.S.
"Gdańsk" — one of a series being built in Polish shipyards to the order
of the Levant Line. Length between perpendiculars — 104.5 m; gross ton-
nage — 3222; engine — 380 HP. Review of the steel construction of
the hull, deck equipment, holds and living quarters, and engine room.
With the article are photographs of the vessel, together with general
and engine room plans, righting arm curves for three states of load line
and cross-sectional arrangement of the hull.

WAKULA, Witold, mgr., inz.

Exploitation of the Kasprowy tanker after her general overhaul. Tech
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1. Biuro Konstrukcyjne Taboru Morskiego, Gdansk.
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WAKULICZ, A.

Error propagation of multisheet schemes for quasi-linear hyperbolic differential equations. Bul Ac Pol mat 11 no.2:55-59 '63.

1. Institute of Mathematics, Polish Academy of Sciences,
Warsaw. Presented by T. Wazewski.

WAKULICZ, A.

Convergence theorems of multishell schemes for quasi-linear
hyperbolic differential equations. Bul Ac Pol mat 11 no.2:61-
65 '63.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
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"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3

BURNAT, M.; KIELBASINSKI, A.; WAKULICZ, A.

The method of characteristics for a multidimensional gas
flow. Archiw mech 16 no.2:179-187 '64.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3

It is shown that $k \neq 13$ is a necessary and sufficient condition for the existence of four vertical parallel lines.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961430004-3"

WAKULICH, A.

Polynomials in x Which Assume Integral Values for Integral x
Bull. Pol'sk AN, Vol 2, No 3, 1954, pp 107-109

The author demonstrates the form a polynomial of degree n must have in order that it assume integral values for all integral values of the variable. This generalizes the work of the American mathematicians L. Dickson (1928) and R. James (1934). RZhMat, No 5, 1955)

SO: Sum. No. 639, 2 Sep 65

13. Pawłak, Z., and Wakulicz, A., Use of expansions with a negative basis in the arithmetic of a digital computer (in Russian), *Bull. Acad. Polonaise Sci. Cl. III* 5, 233-236, 1957.

The authors suggest the use of a negative basis for representing numbers in a computer in order to obtain a uniform treatment of all the bits within the arithmetic unit. The possibility of such a representation is based on the theorems that every real number α possesses an expansion with an integer basis $g < -1$ and that this expansion is unique if it is finite or in the case of infinite expansions, if the number α is not of the form

$$\alpha = E(g^k/(1-g)) + Cg^{k+1} \quad (E = \pm 1, C, k \text{ integers}).$$

The numbers satisfying this relation have two distinct infinite expansions. The algorithms for addition, subtraction, multiplication and division are discussed. These operations are somewhat more complicated than in the case of a positive basis, particularly the division. Further, the 0 in the case of fixed point numbers is not at the center of the interval, thus avoiding the difficulty of "+0" and "-0."

The authors claim that since their system allows to treat all the bits of a number uniformly (no special sign position) the number of circuits in the arithmetic unit with different functions can be reduced.

U. W. Hochstrasser, USA

Courtesy of Mathematical Reviews

WAKULICZ, Jerzy, mgr inz.

Research on the noisiness of combustion locomotives. Przegl
kolej mechan 13 no.7:203-204, 213-217 Jl '61.

WAL, Witold

Possibilities of determining the degree of tacticity of
polymers by physical methods. Pt.2. Polimery tworz
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1. Laboratory of Physics of Polymers of the Department of
Technical Physics of the Institute of General Chemistry,
Warsaw.

WAL, Witold

Effect of conditions for sample preparation on the degree of orientation of polypropylene. Polimery tworz wiak 10 no.2, 52-55 F '65.

1. Laboratory of Physics of Polymers of the Department of Technical Physics of the Institute of General Chemistry, Warsaw. Submitted July 11, 1964.

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CIA-RDP86-00513R001961430004-3

APPROVED FOR RELEASE: 09/01/2001

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WALA, ANTONI

Potassium-magnesium silicate in Biurockow and Waszko-
Józef Kowalewski, *Acta Geol. Polon.*, 5, 33, 1961
Mining Met., Krakow). Acta Geol. Polon. 5, 33, 1961

Wala, A.; Prochazka, K.

Dolomitic salt in the Wieliczka deposits. p. 105.

ANNALES. SECTIO B: GEOGRAPHIA, GEOLOGIA, MINERALOGIA ET PETROGRAPHIA. Lublin,
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WALA, T.

"The Barographic Record Foretells", P. 252, (KRIDLA VLASTI, No. 11,
May 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
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WALA, T.

McCready's disk and its use. p. 123.
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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

WALA, T.

The tube of an air-speed indicator. p. 152. (Kridla Vlasti, No. 5, Mar 1957,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

WALA, T.

A tail assembly in the form of a butterfly. p. 201. (Kridla Vlasti, No. 7, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

POZNAŃ, Poland, telephone: 355, Alojzy, fax.

Development trends in the design of fitting equipment in general
and apartment buildings. pt. 2. Mifit-elektron 33-00-1 352-355
n 164.

1. Association of Cable and Electrical Engineering Equipment Industry,
Warsaw (for design). 2. Electrical Engineering Equipment Factory,
 Warsaw (for sale).

MORZYCKI, Witold, mgr inz.; WALA, Alojzy, inz.

Development trends of designing electric installations and equipment in apartments and general buildings. Pt.1. Wiad elektrotechn 33 no.10:292-295 0 '64.

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P.T.R.
WALACH, K.

669 04

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Walach K. Eng. Mechanical Furnaces.

"Piece mechanics". Hutnik. No 1-2, 1949, pp. 38-44, 6 figs.
By the construction of the mechanical furnace, the hard work entailed by the loading of the charge into the furnace, the hard work withdrawing it, has been eliminated. The only suitable constructional material is heat-resistant steel. Therefore, mechanical furnaces can be used for all kinds of heat-treatment, and involving temperatures not exceeding 1050°C or thereabouts, and in exceptional cases up to 1100°C. By adopting a system of top and bottom heating, an entirely uniform temperature distribution has been obtained, as well as a considerably increased radiating surface. The fuel consumption in a mechanical furnace is very similar to that in a continuous furnace, and in certain instances even smaller. The heat losses in this type of furnace are higher than in a continuous furnace, but this is offset by lower working temperature and smaller flue losses. The further development of mechanical furnaces to work at temperatures in excess of 1100° will proceed along the lines of combining heat resistant steel with a suitable refractory material. The author deals with 6 groups of mechanical furnaces at present in use, giving details of their features, nature of work for which they are intended, performance and financial return.

BIALAS, Zabiwa, A.; SKULSKA, E.; WALACH, Z.

Relative line strengths in the doublets of the spark spectra of
Mg II, Ca II, Sr II, and Ba II. *Acta physica Pol* 26 no.2:175-
183 '64.

1. Institute of Physics of the Jagiellonian University, Krakow.

WALAJTYS, Leon, inz.

Problems of urban cable networks. Energetyka Pol
16 no.9:264-267 S '62.

1. Zaklad Energetyczny Warszawa-Miasto, Warszawa.

WALAS, Antoni

Problems of legislation on labor relations. Prac. zabezp spol 5
no. 5:1-11 My '62.

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The State Insurance Bureau participates in the development of collective
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HIMMEL, Andrzej; TKACZEWSKI, Wladyslaw; PRZEDLACKI, Janusz; WALASEK, Lech;
PLONKA, Andrzej

Evaluation of single administrations of polythiazide in normal
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1. z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej w Łodzi (kierownik: dr. med. Andrzej Himmel).

HIMMEL, Andrzej; PRZEDLACKI, Janusz; TKACZEWSKI, Wladyslaw; WALASEK, Lech

Evaluation of thiazide-induced antidiuresis during water diuresis.
Pol. arch. med. wewnet. 34 no.9:1177-1181 '64

1. Z III Kliniki Chorob Wewnetrznych Wojskowej Akademii Medycznej
(Kierownik: prof. dr. med. A. Himmel)

ACC NR: AP6032359

(A)

SOURCE CODE: P0/0035/65/000/014/0443/0443

INVENTOR: Roda, Tadeusz (Master Enginoor); Golobioski, Slawomir; Walaszek, Miroslaw

ORG: Center for Motor Transportation Resoarch, (Ośrodek Badań Transportu Samochodowy)

TITLE: Testing diaphragm type fuel pumps for light fuels PO Pat. No. 50691

SOURCE: Przegląd mechaniczny, no. 14, 1966, 443

TOPIC TAGS: fuel injection, pump, ~~test~~, test facility, test method, ENGINE FUEL

ABSTRACT: The invention is a device for testing diaphragm feed pumps for light fuels driven by the shaft of a control engine or the shaft of an injection pump. The device, intended for testing diaphragm pumps of all types of motor vehicles, can constitute the equipment of a service station and of automobile repair establishments. The testing routine for pumps includes measurement of the vacuum at the suction end, measurement of the pressure at the delivery end, measurement of the pressure drop at the delivery end, and the output. As can be seen from diagram a, the fuel system of the installation consists of fuel tank 8 fitted with a level indicator 7 and an overflow basin with a grid 12 and a drain valve 11. The following elements are connected by fuel lines 14 to the tank: output measurement tank 5, fuel flow sight-glass 6, manometer 9 and vacuum gauge 10. At the same time the fuel flow to the pump being tested 13 is regulated by two-way valve 1 and by the three three-way valves 2, 3, and 4 connected to a special system. As an example the method of measuring the output of pump 13 is given below.

Card 1/2

ACC NR: AP6032359

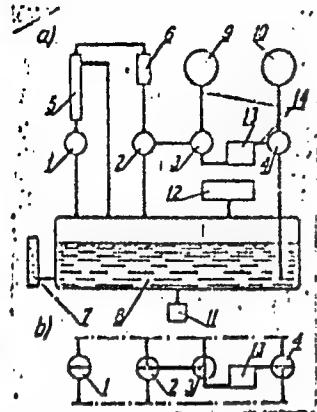


Diagram b illustrates the system of valves for this case. At the moment when the fuel column reaches the zero position on the scale of the output measurement tank, the stop-watch must be engaged. After 30 seconds the stop-watch must be turned off and the level of valve 2 must be switched on. Then the amount of fuel g must be read off the scale of the output measurement tank. The output of the pump tested can be computed from the formula $Q = q \cdot 3.6/t$ where t is the measurement time in seconds. Orig. art. has: 2 figures.

Diagrams a) and b)

SUB CODE: 13 / SUBM DATE: 15Mar66

Card 2/2

WALASIK, J.

"Standardization in the Silk Industry," P. 298. (WIADOMOSCI, Vol. 22, No. 6,
June, 1954, Warszawa, Poland)

SO; Monthly List of East European Accession, (EEAL), LC. Vol. 4,
No. 1, Jan. 1955 Uncl.

POLAND/Chemical Technology - Chemical Products and Their
Application: Artificial and Synthetic Fibers.

H-32

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 27204

Author : Walasik Jan

Inst : -

Title : Trend in Development and Application Domain of Artificial Fibers.

Orig Pub : Przem. włokienniczy, 1956, 10, No 9, 409-414

Abstract : A review of development in worldwide production and use of artificial fibers during 1955-1956.

Card 1/1

WALASIK, J.

TECHNOLOGY

Periodicals: NORMALIZACJA. Vol. 26, no. 3, Mar. 1958

WALASIK, J. A new numeration of yarn TEX. p. 127

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February 1959, Unclass.

WALASZCZYK, Edmund, mgr inz.

Arc hardfacing of rails without preheating. Przegl spaw
16 no. 1: 21-24 Ja '64.

1. Swidnicka Fabryka Urzadzen Przemyslowych, Swidnica.

BIERNACKI, Andrzej; CZARNIECKI, Wincenty; DORYWALSKI, Tadeusz, GLINSKA,
Danuta; KOWALSKA, Maria; KROTKIEWSKI, Andrzej; SICINSKI, Alfred
STASIAKOWA, Iwona, SZAJEWSKI, Janusz; WALASZEWSKA, Barbara

Remote results of conservative therapy of peripheral vascular diseases.
Polskie arch.med. wewn. 28 no.5:771-778 1958.

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prof. dr nauk med. A. Biernacki
(VASCULAR DISEASES, PERIPHERAL, ther.
drug. ther., follow-up (Pol))

LAMERS, Halina; WALASZEWSKA, Barbara

Treatment of peripheral vascular diseases with intra-arterial injections
Polskie arch. med. wewn. 28 no.5:807-810 1958.

I. Z I Kliniki Chorob Wewnetrznych A.M. w Warszawie. Kierownik:
prof. dr nauk med. A. Biernacki. Adres autora: Warszawa, Solec,
Szpital Miejski, Odzial Wewnetrzny.

(VASCULAR DISEASES, PERIPHERAL, THER.
tolazoline & other drugs, intra-arterial inject. (Pol))

(SYMPATHOLYTICS, ther. use
tolazoline in peripheral vasc. ills. intra-arterial inject.
(Pol))

KOWALESKA, Maria; GLINSKA, Danuta; WALASZEWSKA, Barbara

Analysis of the cases treated in the Outpatient Unit for Peripheral
Vascular Diseases of the 1 st Clinic for Internal Diseases of the
Academy of Medicine in Warsaw. Polski tygod. lek. 14 no.22:1022-1025
1 June 59.

1. (Kierownik kliniki: prof. dr nauk med. A. Biernacki).
(VASCULAR DISEASES, PERIPHERAL, statist.
clin. statist. (Pol))

WALATA, Cezary, mgr inz.

New products of the Cable Ascessories Works in Elk. Wiad
elektrotechn 32 no.5/6:162-163 My-Je '64.

WALANSKI, A.

In a bus around Silesia and the Dabrowa Coal Basin, p. 97.

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July
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Unc. 1.